

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

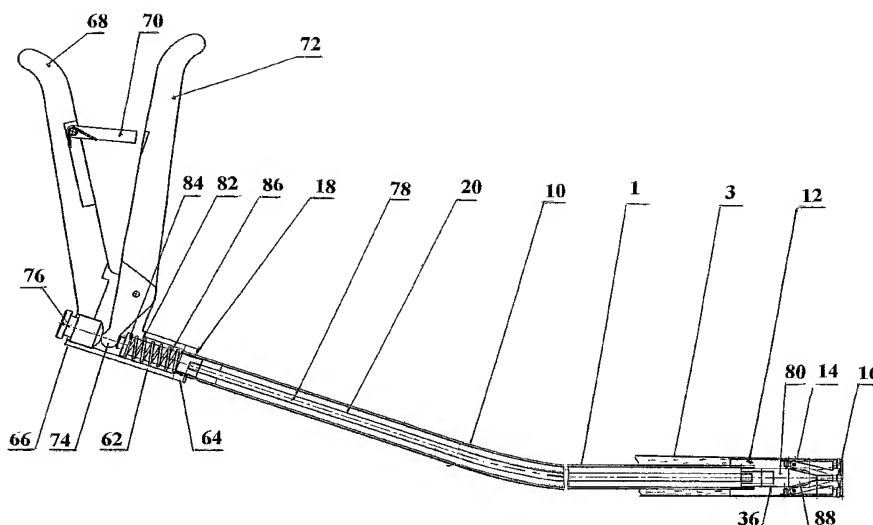
PCT

(10) International Publication Number
WO 2005/089059 A3

- (51) International Patent Classification⁷: **A61B 17/04**
- (21) International Application Number:
PCT/IL2005/000218
- (22) International Filing Date: 23 February 2005 (23.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
161067 24 March 2004 (24.03.2004) IL
- (71) Applicant and
(72) Inventor: **SHIFRIN, Edward G.** [IL/IL]; 64 Hashahar St., 43565 Raanana (IL).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **UMANSKY, Mark A.** [IL/IL]; 20 Mordehy Anilevitch St., Apt. 8, 35025 Haifa (IL). **SHVARTSMAN, Mordehy D.** [IL/IL]; 3 Harav Mashash St., Apt. 1, 32167 Haifa (IL). **NICKELSHPUR, Gennady S.** [IL/IL]; 9-D Habastiliya St., Apt. 9, 35597 Haifa (IL). **MOORE, Wesley S.** [US/US]; 11467 W.Sunset Blvd., Los Angeles, California 90049 (US).
- (74) Agent: **WOLFF, BREGMAN AND GOLLER**; P.O. Box 1352, 91013 Jerusalem (IL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: LAPAROSCOPIC AORTIC REPAIR BY INTRAVASCULAR DEVICES



(57) Abstract: Medical methods and apparatus for locating and securing intravascular devices, substantially grafts or stents-grafts, via a laparoscopic duct created by a surgical procedure to approach a blood vessel lumen. A stapler including a tubular body having at its distal end a head with a die and die lid and at its proximal end a control mechanism with a retaining handle and a control lever pivotally attached thereto. The lever is operatively connected via a spring-loaded pressure rod with a fastener located in the die. The movement of the lever is transformed into radial forces necessary for punching through the wall of the intravascular device and the surrounding blood vessel wall with a fastener and simultaneously bending ends of the fastener apart. Securing the ends of the intravascular device to the wall of a blood vessel is performed via a set of at least two staplers, each having several simultaneously deliverable fasteners.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

29 December 2005